

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An optical pickup apparatus comprising:
 - an optical pickup adapted to irradiate a light on an information recording face of a recording medium and to read out information recorded on the information recording face;
 - a feed screw adapted to move the optical pickup in a radial direction of the recording medium;
 - a guide shaft arranged to be in parallel with the feed screw and adapted to support and guide a movement of the optical pickup;
 - a first support member adapted to support a first end portion of the feed screw located on an inner circumferential side of the information recording face;
 - a second support member adapted to support a second end portion of the feed screw located on an outer circumferential side of the information recording face;
 - a first elastic support member adapted to support a first end portion of the guide shaft located on the inner circumferential side of the information recording face;
 - a second elastic support member adapted to support a second end portion of the guide shaft located on a outer circumferential side of the information recording face;
 - a drive motor adapted to drive the feed screw so as to move the optical pickup along the guide shaft;
 - a third elastic support member adapted to support the second support member and the drive motor;

a base plate on which the first support member, the first elastic support member, and an end portion of the third elastic support member are fixed; and

a skew adjusting mechanism adapted to move each of the third elastic member and both ends of the feed screw [[and the guide shaft so as]] to adjust a skew of the optical pickup with respect to the information recording face of the recording medium.

2. (original): The optical pickup apparatus as claimed in claim 1, including one of each of the guide shaft and the feed screw.

3. (original): The optical pickup apparatus as claimed in claim 1, wherein the feed screw and the guide shaft are respectively arranged on a lower side of the optical pickup.

4. (canceled).

5. (currently amended): The optical pickup apparatus as claimed in claim 1 [[4]], wherein the skew adjusting mechanism further comprises:

a first adjusting screw adapted to move the third elastic support member in direction perpendicular to the information recording face;

a second adjusting screw adapted to move the first end portion of the guide shaft in direction perpendicular to the information recording face; and

a third adjusting screw adapted to move the second end portion of the guide shaft in direction perpendicular to the information recording face.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appl. No. 10/633,667

6. (new): An apparatus, comprising:
- an optical pickup;
 - a guide shaft that guides the optical pickup in a direction with respect to a recording medium;
 - a feed screw that moves the optical pickup along the guide shaft;
 - a first support that supports the feed screw;
 - a first elastic member that supports the first support; and
 - a base on which the first elastic member is fixed to the base.
7. (new): The apparatus as claimed in claim 6, further comprising:
- a second support that supports the guide shaft,
 - wherein the second support is fixed to the base.
8. (new): The apparatus as claimed in claim 7, wherein the second support comprises a second elastic member that elastically supports the guide shaft.
9. (new): The apparatus as claimed in claim 7, wherein the second support is located on an inner circumferential side of a recording face of the recording medium, and wherein first support is located on an outer circumferential side of the recording face.
10. (new): The apparatus as claimed in claim 7, wherein the first support supports a first end portion of the feed screw, and wherein the second support supports a first end portion of the guide shaft.

11. (new): The apparatus as claimed in claim 10, further comprising:
a third support that supports a second end portion of the feed screw; and
a fourth support that supports a second end portion of the guide shaft.
12. (new): The apparatus as claimed in claim 11, wherein the second support
comprises a second elastic member that elastically supports the guide shaft,
wherein the fourth support comprises a third elastic member that elastically supports the
guide shaft.
13. (new): The apparatus as claimed in claim 6, further comprising:
a mechanical skew adjuster that moves the first elastic member to adjust the skew of the
optical pickup.
14. (new): The apparatus as claimed in claim 13, wherein the mechanical skew
adjuster comprises a first screw that moves the first elastic member.
15. (new): The apparatus as claimed in claim 12, further comprising:
a mechanical skew adjuster that moves the first elastic member, the second elastic
member, and the third elastic member to adjust the skew of the optical pickup.
16. (new): The apparatus as claimed in claim 15, wherein the mechanical skew
adjuster comprises:

- a first screw that moves the first elastic member;
- a second screw that moves the first end portion of the guide shaft; and
- a third screw that moves the second end portion of the guide shaft.

17. (new): The apparatus as claimed in claim 12, wherein the third support supports the second end portion of the feed screw in a non-elastic manner.

18. (new): The apparatus as claimed in claim 16, wherein the third support supports the second end portion of the feed screw in a non-elastic manner.

19. (new): An apparatus, comprising:

- an optical pickup;
- a feed screw that moves the optical pickup along a recording face of a recording medium;
- a first elastic member that supports the feed screw, wherein a first portion of the first elastic member is fixed to a base; and
- a mechanical skew adjuster that supports a second portion of the first elastic member and adjusts the skew of the optical pickup by moving the first elastic member,

wherein the second portion is offset from the first portion, and

wherein the mechanical skew adjuster supports the second portion of the first elastic member from a first side of the first elastic member that is opposite to a second side of the first elastic member facing the feed screw.

20. (new): The apparatus as claimed in claim 19, wherein the mechanical skew

adjuster comprises a first screw that abuts against the first side of the first elastic member.

21. (new): The apparatus as claimed in claim 20, wherein the base supports the first screw via a threaded hole in the base.

22. (new): The apparatus as claimed in claim 19, further comprising:
a guide shaft for guiding the movement of the optical pickup;
a first support that supports a first end portion of the guide shaft;
a second support that supports a second end portion of the guide shaft; and
a third support that supports a first end portion of the feed screw,
wherein first elastic member supports a second end portion of the feed screw.

23. (new): The apparatus as claimed in claim 22, wherein the mechanical skew adjuster comprises:

a first screw that abuts against the first side of the first elastic member.
a second screw that moves the first end portion of the guide shaft; and
a third screw that moves the second end portion of the guide shaft.